	Application No.	Applicant(s)
Notice of Allowability	09/812,136	WILLHIDE ET AL.
	Examiner	Art Unit	
	Khanh Dinh	2151	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *4/16/2007*.

2. ☒ The allowed claim(s) is/are *22, 23, 25-30, 32-43*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

KHANH DINH
PRIMARY EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Linda Shapiro (the Undersigned Attorney, Reg. No.28,264) on 4/16/2007.

The application has been amended as follows:

IN THE CLAIMS:

Please **cancel** claims 24 and 31.

Please **amend** claims as follows:

1-21.   (*Canceled*)

22.   (*Currently amended*) An enterprise network management portal system for

monitoring and managing at least one enterprise network, wherein each enterprise network

includes at least one server system and a plurality of network management means for monitoring

the status of each server system and generating management data concerning monitored

operating events of the monitored server system that are in need of correction, and wherein the

management data include device status data, event data, and device performance monitoring data,

the system comprising:

portal means for providing an interface to the plurality of network management means

for:

(a)   receiving the management data from the plurality of computer network management means of an enterprise network and providing the management data for the plurality of network management means to a client for display to a user and

(b)   generating workflows that provide corrective measures for monitored operating events that are in need of correction, wherein the client is coupled to the at least one computer network management means,

wherein the portal means includes:

(a)   management interface means for providing application and data interface functionality between the at least one computer network management means and the client; and

(b)   workflow means for receiving the management data from the plurality of computer network management means and providing in response to the management data one or more workflows for responding to monitored operating events that are in need of correction, and

wherein the workflow means includes:

(1)   interface format means for transferring data fields between the client and the plurality of computer network management means in accordance with predetermined data field definitions;

(2)   workflow edit means for enabling an operator to set up a workflow for performing functions including device troubleshooting and event management and for generating workflow sequence data;

(3)   workflow execution means for receiving the workflow sequence data from the workflow edit means, for executing a workflow sequence in response to an execution command received from a user, for interfacing with the plurality of computer network management means in accordance with the workflow received from the workflow edit means, and for transferring data fields in accordance with previously-defined rules; and

(4)   element information means for providing network element data for one of use in workflows and in response to workflows executed through the workflow execution means.

23.   (*Previously presented*) The system of claim 22, wherein the at least one enterprise network includes a firewall, wherein the at least one server system, the plurality of computer network management means, and the client are behind the firewall, and wherein the portal means also performs the function of acting as a proxy behind the firewall between the client, the at lest one computer network management means, and at least one server system.

24.   (*Canceled*)

25.   (*Previously presented*) The system of claim ~~24~~ 22, wherein the portal means provides the management data in a single user-viewable display screen, regardless of whether the plurality of computer network management means are compatible with each other.

26.   (*Previously presented*) The system of claim 25, wherein the management

interface means includes:

(1)   means for receiving the management data and assembling the management

data from each of the computer network management means into at least one data display

channel for presentation of the management data to a user on a real-time basis in the single user-

viewable display screen;

(2)   means including a map of user ID and logon password data for each

computer network management means that a user is authorized to access for providing the user with

single logon functionality, whereby the user does not have to logon separately to each computer

network management means; and

(3)   means for segmenting access to network management services in

accordance with predetermined user and role segmentation rules.

27.   (*Previously presented*) The system of claim ~~24~~ 22_, wherein the management

interface means performs the additional functions of storing:

(1)   preset management system window configuration data for the user-

viewable display screens for the client,

(2)   client modified window configuration data,

(3)   user logon data that may be required for a user to access the at least one

computer network management means, and

(4)   channel format data for facilitating an interface with the at least one

computer network management means through one of a firewall and within an intranet.

28.   (*Previously presented*) The system of claim 25, wherein the management

interface means includes:

(1)   client view means for enabling users to select channels for viewing and to

customize the layout in the single user-viewable display screen, for receiving view data, for

receiving the management data and assembling the management data from each of the computer

network management means into at least one channel for presentation of the management data to

a user on a real-time basis in the single user-viewable display screen, and for managing the

management data to prevent any one of the at least one computer network management means

from taking over the client;

(2)   channel format means for interfacing with the computer network

management means to request management data, for receiving the requested management data

for presentation to users through the client view means, and for performing functionality through

the computer network management means; and

(3)   user login means for providing users with single logon functionality for

access to the computer network management means.

29.   (*Previously presented*) The system of claim 28, wherein the view data includes at

least one of preset client view formats, role or user-restricted view formats, user modified view

formats, and other formats that include channel identification data, window size data, data field

display data.

30.   (*Currently amended*) The system of claim 24 22, wherein the workflow means

performs the additional function of enabling at least two unrelated computer network

management means to be tied together through a common platform.

31.   (*Canceled*)

32.   (*Currently amended*) The system of claim 31 22, wherein the interface format

means also performs the function of performing format conversions required for transfer of the data

fields.

33.   (*Currently amended*) The system of claim 31 22, wherein the workflow execution

means carries out the function of transferring data fields using the interface format means.

34.   (*Currently amended*) The system of claim 31 22, wherein the workflow execution

means also performs the function of prompting the user to make a selection, enter data, and

terminate a workflow.

35.   (*Previously presented*) The system of claim 22, wherein the system monitors and

manages a plurality of enterprise networks, and wherein the portal means provides all the

management data to a client external to the at least one enterprise network.

36.   (*Previously presented*) The system of claim 22, wherein the system monitors and manages a single enterprise networks, and wherein the portal means provides all the management data to at least one client that forms a part of the enterprise network.

37.   (*Previously presented*) A combination enterprise network and enterprise network management portal system comprising the system of claim 0, and further comprising at least one enterprise network, wherein the at least one enterprise network includes:

at least one server system and

a plurality of computer network management means for monitoring the status of the at least one server system and generating management data concerning monitored operating events of the at least one server system that are in need of correction.

38.   (*previously presented*) The enterprise network and portal system of claim 0, wherein the portal means includes:

(a)   management interface means for providing application and data interface functionality between the at least one computer network management means and the client; and

(b)   workflow means for receiving the management data from the plurality of computer network management means and providing in response to the management data one or more workflows for responding to monitored operating events that are in need of correction.

39.   (*Previously presented*) The enterprise network and portal system of claim 0,

comprising a plurality of enterprise networks, wherein the system of claim 22 monitors and

manages the plurality of enterprise networks, and wherein the portal means provides all the

management data to one client external to the plurality of enterprise networks.

40.   (*Currently amended*) A method for monitoring and managing at least one

enterprise network, wherein the enterprise network includes a server system and a plurality of

computer network management means for monitoring the status of the at least one server system

and generating management data concerning monitored operating events of the at least one

server system that are in need of correction, the method comprising the steps of:

        providing application and data interface functionality between the plurality of computer

network management means and a client, wherein the client is coupled to the plurality of computer

network management means;

        monitoring the server system using the computer network management means;

        setting up through an operator a workflow for performing functions including device

troubleshooting and event management and for generating workflow sequence data;

        transferring data fields between the client and the plurality of computer network

management means in accordance with predetermined data field definitions;

        using the at least one plurality of computer network management means to generate

management data concerning monitored operating events of the server that are in need of

correction, wherein the management data include device status data, event data, and device

performance monitoring data;

providing the management data to a ~~the~~ client for display to a user, ~~wherein the client is~~

~~coupled to the plurality of computer network management means~~;

detecting at least one operating event in need of correction;

presenting to a ~~the~~ user via the client at least one workflow in response to the at least one

detected operating event;

in response to user selection of at least one workflow, <u>receiving the workflow sequence</u>

<u>data and executing a workflow sequence;</u>

<u>interfacing with the plurality of computer network management means in accordance</u>

<u>with the workflow received;</u>

<u>transferring data fields in accordance with previously-defined rules;</u> and

<u>providing network element data for one of (1) use in workflows</u> ~~using the at least one~~

~~workflow~~ to correct the monitored operating events that are in need of correction <u>and (2) in</u>

<u>response to executed workflows</u>, thereby managing the enterprise network.

41.   (*Previously presented*) The method of claim 40, wherein the management data is

provided to a client in a predetermined format in a single user-viewable display screen on a real-

time basis, regardless of whether the plurality of computer network management means are

compatible with each other.

42.   (*Previously presented*) The method of claim 41, wherein the at least one workflow

is presented to the user in the single user-viewable display screen.

43.   (*Currently amended*) A method for providing portal interface functionality for at least one enterprise network, wherein the enterprise network includes at least one server system and at least one computer network management means for monitoring the status of the at least one server system and generating management data concerning monitored operating events of the at least one server system that are in need of correction, wherein the management data include device status data, event data, and device performance monitoring data, the method comprising:

providing application and data interface functionality between the at least one computer network management means and a client, wherein the client is coupled to the at least one computer network management means;

identifying network management services for remote access;

setting up through an operator a workflow for performing functions including device troubleshooting and event management and for generating workflow sequence data;

configuring a user-viewable display screen to interface with the identified network management services;

logging ~~the~~ a user on to the identified network service with functionality in accordance with predetermined user and role segmentation rules;

receiving management data from at least one of the computer network management means; ~~and~~

transferring data fields between the client and the at least one computer network management means in accordance with predetermined data field definitions;

providing the management data to the client for display to the user in accordance with predetermined user and role segmentation rules in a predetermined format and in a single user-viewable display screen, regardless of whether the plurality of computer network management means are compatible with each other;

receiving the workflow sequence data and executing a workflow sequence in response to an execution command received from a user,

interfacing with the at least one computer network management means in accordance with the workflow received,

transferring data fields in accordance with previously-defined rules; and

providing network element data for one of use in workflows and in response to executed workflows.

Allowable Subject Matter

2.   Claims 22, 23, 25-30, 32-43 are allowed.

3.   The following is an examiner's statement of reasons for allowance:

The above mention claims are allowable over the prior art of record does not appear to each or render obvious the claimed limitations in combination with the specific added limitations as recited in independent claims and subsequent dependent claims. None of the cited prior art discloses or teaches a system or method for monitoring and managing at least one enterprise network comprising a combination of: portal means for providing an interface to the plurality of network management means for: receiving the management data from the plurality of computer

network management means of an enterprise network and providing the management data for the

plurality of network management means to a client for display to a user and generating

workflows that provide corrective measures for monitored operating events that are in need of

correction, wherein the client is coupled to the at least one computer network management

means, wherein the portal means including of management interface means for providing

application and data interface functionality between the at least one computer network

management means and the client; and workflow means for receiving the management data from

the plurality of computer network management means and providing in response to the

management data one or more workflows for responding to monitored operating events that are

in need of correction, and wherein the workflow means including of interface format means for

transferring data fields between the client and the plurality of computer network management

means in accordance with predetermined data field definitions, workflow edit means for enabling

an operator to set up a workflow for performing functions including device troubleshooting and

event management and for generating workflow sequence data, workflow execution means for

receiving the workflow sequence data from the workflow edit means, for executing a workflow

sequence in response to an execution command received from a user, for interfacing with the

plurality of computer network management means in accordance with the workflow received

from the workflow edit means, and for transferring data fields in accordance with previously-

defined rules, and element information means for providing network element data for one of use

in workflows and in response to workflows executed through the workflows.

Conclusion

4.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Dinh whose telephone number is (571) 272-3936. The examiner can normally be reached on Monday through Friday from 8:00 A.m. to 5:00 P.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung, can be reached on (571) 272-3939.   The fax phone number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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